

Thermal Engineer

About us

Nusku is accelerating the move to electrified, low carbon heating in domestic homes. The company is developing a cutting-edge home heating system that will transform the way heat pumps are installed in the country.

Our aim is to reduce the carbon emissions from the UK's 27 million homes, which currently account for around 20% of the UK's CO₂ footprint.

What the job involves

You will collaborate closely with the founder and other employees within the development team to design and develop a custom-built refrigerant system for the company's novel heating system.

Due to the size of the organisation, we would expect you to be involved in all aspects of the product development journey, through to manufacture.

Who you are

We are seeking a skilled and motivated engineer to join our development team. We seek creative and analytical thinkers who can solve problems in various areas. If you are curious and able to deliver solutions, we want to hear from you.

To succeed in this role, you should have excellent collaboration skills, ask important questions, present your analysis, and refine your solutions.

The requirements for this position are:

- A degree in Mechanical Engineering, Chemical Engineering or related fields.
- Strong understanding of thermodynamics, heat transfer, and fluid mechanics.
- Knowledge of heat exchangers and performing heat transfer calculations.
- Practical experience assembling, maintaining or repairing refrigeration systems.
- Knowledge of fgas refrigeration standards and certifications.

In addition to above, it would be great if you have:

- Experience with mechanical CAD software.
- Understanding of auxiliary equipment that interfaces with refrigerant circuits.
- Hands-on experience detecting faults and diagnosing refrigeration circuits.

How we work

This is a predominantly a site-based role, developing the refrigerant system with the team. We operate flexibility working around this, enabling you to work where and when you work best.

Nusku is based at Future Space on the UWE Frenchay campus. This is a vibrant community of start-up and scale-up businesses in the science, tech and engineering sectors.

Application procedures

Please apply with CV and covering letter to joinus@nusku.co.uk